

**BACHELOR OF ARTS/SCIENCE  
BIOLOGY with SECONDARY CERTIFICATION  
2011-2012**

BA   
BS

GENERAL EDUCATION CORE				
SKILLS COMPONENT	REQ	DONE	GRADE	NEED
ENGL 101 & 102	6			
ENGL 109				
COMM 101, 202, 203, 204, 205	3			
MATH 143 & 144 OR MATH 147	5			
<b>HUMANITIES one Lit and one Art course (6 cr. required)</b>				
ENGL 150, ENGL 257, ENGL 258, HUM 301	3			
ART 100, HUM 101, HUM 150, MUS 101, THEA 101	3			
<b>NATURAL SCIENCES two courses required (7 cr. required)</b>				
NS 150	3			
CHEM 111	4			
<b>SOCIAL SCIENCE three courses required (9 cr. required)</b>				
PSYC 205	3			
<i>and two of the following:</i>				
ANTH 102, 120, 170	6			
ECON 101, 102, 201, 202				
GEOG 102				
HIST 101, 102, 111, 112, 115				
HRPT 184, 185				
POLS 101, 285				
PSYC 101				
SOC 101, 102				
SS 150, 184, 185				
<b>INTEGRATIVE COMPONENT one course required</b>				
ID, HUM, NS, SS 350	3			
ID, HUM, NS, SS 351				
<b>TOTAL</b>	<b>39</b>			

FOREIGN/HERITAGE LANGUAGE	REQ	DONE	GRADE	NEED
101	4			
102	8 cr required; take 16 cr if a BA degree is desired.	4		
201		0		
202		0		
<b>TOTAL</b>		<b>8</b>		

SUMMARY				
GENERAL EDUCATION CORE	39			
ELECTIVES	0			
LANGUAGE	8			
NATURAL SCIENCE PROGRAM	53			
SECONDARY EDUCATION	37			
<b>TOTAL</b>	<b>137</b>			

**128 Total Credits (minus remedial):**

**36 Upper Division Credits:**

**32 Resident Credits (LCSC):**

Secondary certification candidates must meet the graduation requirements for their major and the Secondary Teacher Education Program and must have two advisors. (see below)

★See Catalog section "Education Division: Secondary Teacher Certification" regarding certification requirements for this major. Selective course choices could be affected.

BIOLOGY PROGRAM				
PROGRAM REQUIREMENTS	REQ	DONE	GRADE	NEED
CHEM 111 Principles of Chemistry I				Counted in core
CHEM 112 Principles of Chemistry II	4			
BIOL 180 Concepts in Cellular Mechanism	4			
BIOL 181 Ecology, Evolution, and Diversity of Life	4			
BIOL 202 Zoology	4			
BIOL 203 Botany	4			
BIOL 301 Evolution	4			
BIOL 401 Mammalogy	4			
BIOL 450 Field Botany	4			
MATH 143/144 Precalc Algebra/Precalc Trig OR MATH 147 Precalculus				Counted in core
MATH 254 Statistical Methods for Sciences	4			
NS 380 Senior Seminar	1			
PHYS 111 or 211 Physics I	4			
PHYS 112 or 212 Physics II	4			
<b>SELECTIVES: Any BIOL courses numbered 200 or higher</b>				
BIOL	8			
BIOL				
BIOL				
BIOL				
<b>TOTAL</b>	<b>53</b>			

SECONDARY EDUCATION CERTIFICATION REQUIREMENTS				
<i>Application for admission to the Teacher Education Program is required after successful completion of Phase I courses.</i>				
<b>PHASE I - Professional Foundations of Education</b>				
ED 214 Princ of Educ/Field Experience	3			
ED 318 Assessment of Learning	3			
ED 321 Educational Psychology	3			
<b>PHASE II - Professional Studies in Education</b>				
ED 329 Culturally Responsive Classroom	1			
ED 453 Media & Tech for Tchg 6-12	3			
ED 454 Professional Teaching Strategies	3			
ED 456 Content Methods	2			
RE 422 Reading in the Content Area	3			
SE 322 Inclusion Strategies K-12	3			
<b>PHASE III - Professional Internship (taken as your final semester)</b>				
ED 452 Internship Seminar	1			
ED 460 Professional Internship in Educ 6-12	12			
<b>Subtotal Credits - Secondary Ed Certification</b>	<b>37</b>			
<b>TOTAL CREDITS - Biology Major w/Sec Ed Cert</b>	<b>90</b>			

No grade lower than a "C-" will be accepted in any General Education core, Content Major, or Professional Foundations course. No grade lower than a "B-" will be accepted in any Professional Studies or Professional Internship secondary education course.

A minimum cumulative GPA of 2.75 is required for admission into the Secondary Teacher Education Program. Candidates must also maintain a 3.0 cumulative GPA in their content area classes.

Additional requirements must be met for teacher certification. See your Education Division advisor for details.

NOTES, COMMENTS, SUBSTITUTIONS, WAIVERS